

REPLACEMENT PARTS GUIDE

8020 Series Tractors - 8120, 8220, 8320, 8420, 8520

FILTER OVERVIEW WITH SERVICE INTERVALS

ENGINE



PRIMARY AIR FILTER

[RE164839](#)

Replace annually or as indicated. (Interval may vary according to operating conditions.)



SECONDARY AIR FILTER

[RE172447](#)

Replace annually or as indicated. (Interval may vary according to operating conditions.)

OIL FILTER

[RE509672](#)



Initial oil and filter change at 100 hours, then after every 250 hours. Extended 50 percent service interval is only allowed if using John Deere Plus-50 oil with a John Deere filter.

Example: 250 hours extend to 375 hours.



FUEL PRE FILTER (-232462)

[R502778](#)



FUEL SINGLE FILTER (-232462)

[RE522372](#)



PRIMARY FUEL FILTER (232463-)

[RE531703](#)



SECONDARY FUEL FILTER (232463-)

[RE522688](#)

Replace after every 500 hours.



CAB



RECIRCULATION AIR FILTER

[RE187966](#)

[RE199682](#)



Clean after every 250 hours or as required. Replace annually and as required. (Interval may vary according to operating conditions.)



FRESH AIR FILTER

STANDARD

[RE24619](#)

ACTIVATED CARBON

[RE237396](#)



Clean after every 250 hours or as required. Replace annually and as required. (Interval may vary according to operating conditions.)

TRANSMISSION/HYDRAULIC



OIL FILTER

[RE174130](#)

Replace after every 750 hours, as required or as indicated, whichever occurs first.



SCREEN

[RE45369](#)

Clean after every 1500 hours.



FUEL TANK VENT FILTER

[RE52504](#)

Replace every after 750 hours. (Interval may vary according to operating conditions.)

CAPACITIES

8020 Series Tractors - 8120, 8220, 8320, 8420, 8520

CAPACITIES (Approximate):

Fuel Tank:

8120-8220-8320.....	512 L (135 gal)
8420-8520.....	606L (160 gal)

Cooling System:

8120-8220-8320-8420-8520.....	34 L (9 gal)
-------------------------------	--------------

Crankcase with Filter:

8120.....	21.5 L (5.7 gal)
8220.....	23.5 L (6.2 gal)
8320.....	25 L (6.6 gal)
8420.....	27 L (7.4 gal)
8520.....	31 L (7.4 gal)

Transmission and Hydraulic System:

Mechanical Front Wheel Drive (MFWD).....	140L(37 gal)
Independent Link Suspension.....	150L(39.6 gal)

Mechanical Front Wheel Drive (MFWD) Axle:

Differential Case.....	13.6L(3.6 gal)
Wheel Hub.....	3.4L(0.9 gal)
Independent Link Suspension.....	4L(1.0 gal)

REPAIR PARTS

8020 Series Tractors - 8120, 8220, 8320, 8420, 8520

ENGINE

STARTER
[RE70957](#)
[SE501403](#) (REMAN)
[A-RE70957](#) (A & I)

AUX DRIVE BELT
W/O AIR BRAKE
[R206983](#) (S/NO: -23918)
[R228118](#) (S/NO: 23919-)
W/ AIR BRAKE
[R208755](#) (S/NO: -23918)
[R228566](#) (S/NO: 23919-)

FAN DRIVE BELT
[R164820](#)
[A-470K8](#) (A & I)

ENGINE BLOCK HEATER
[DZ102076](#)

BELT TENSIONER
[RE184034](#) (-23918)
[RE170084](#) (23919-)

RADIATOR CAP
[RE43593](#)

ALTERNATOR
[RE218703](#)
[SE501825](#) (REMAN)
[A-RE218703](#) (A & I)

FUEL INJECTION PUMP
[RE518423](#) (S/NO: -232462)
[RE521422](#) (S/NO: 232463-)

CAB

MIRRORS
 Inside Rear View
[AT186760](#)

WIPER BLADES
 Front and side
[TY26957](#)
 Rear
[AL153661](#)
[A-AL153661](#) (A & I)

MIRRORS
 Outer Rear View
[AL78021](#)
[A-AL78021](#) (A & I)

TECHNOLOGY MOUNTING SOLUTION
[BRE10141](#) (MOUNTING BRACKET)
[BRE10015](#) (CELL PHONE MOUNT)
[BRE10255](#) (TABLET MOUNT)

GAS CYLINDERS
[RE234165](#) (LH DOOR)
[RE234166](#) (REAR WINDOW)

BATTERY
[TY25879B](#)



REPLACEMENT PARTS GUIDE

8020 Series Tractors - 8120, 8220, 8320, 8420, 8520

REPAIR PARTS

ENGINE



TORSIONAL DAMPER
[TA20453](#)



A/C COMPRESSOR
[RE52454](#)
[SE503059](#) (REMAN)
[A-RE52454](#) (A & I)



WATER PUMP
[RE521502](#)
[SE501596](#) (REMAN)
[A-RE521502](#) (A & I)

AXLE



LH TIE-ROD END, MFWD
[RE173541](#)
[A-RE173541](#) (A & I)



RH TIE-ROD END, MFWD
[RE173540](#)
[A-RE173540](#) (A & I)

**TIE-ROD ASSEMBLY
(COMPLETE ASSEMBLY), MFWD**
[RE173524](#)

TIE ROD END, 2WD W/O MFWD
[RE58693](#)



HITCH AND SCV

HITCH MAINTENANCE



[R163800](#) (SWAY BLOCK RH)



[R164646](#) (SWAY BLOCK WEAR PLATE RH)

[R163801](#) (SWAY BLOCK LH)



[R164647](#) (SWAY BLOCK WEAR PLATE LH)



[RE261354](#) (ROCKSHAFT POSITION
SENSOR)

SCV



[RE577560](#) (BREAKAWAY COUPLER)

[R186598](#) (SNAP RING)



[RE186601](#) (SEAL KIT)

[RE217697](#) (POWER BEYOND
COUPLER KIT)



[AR114664](#) (HYDRAULIC MOTOR
RETURN KIT)



LIFT LINK PINS

[R169163](#) (PIN)

[R107278](#) (DRAFT LINK BALL STUD)

[BRE10500](#) (GREASEABLE PIN KIT)

REPLACEMENT PARTS GUIDE

8020 Series Tractors - 8120, 8220, 8320, 8420, 8520

WEAR PARTS



SUSPENSION AND STEERING



ILS™ AXLE

[RE587967](#) (INNER TIE ROD END)

[RE583653](#) (OUTER TIE ROD END)

[RE587968](#) (COMPLETE LEFT OR RIGHT
SIDE TIE ROD ASSEMBLY)

SUSPENSION AND STEERING



ILS™ AXLE

[RE580643](#) (UPPER AND LOWER
CONTROL ARM BALL JOINTS)